AMENDMENTS TO THE CLAIMS

Please add or amend the claims to read as follows, and cancel without prejudice or disclaimer claims indicated as cancelled. The following Listing of Claims is intended to replace all prior versions and/or listings of claims in the application:

LISTING OF CLAIMS

1. (**Currently Amended**) A method of managing a storage, wherein the storage includes a faster access part and a slower access part, the method comprising:

~~examining~~ obtaining information from a Digital Image Communications in Medicine (DICOM) modality worklist regarding at least one task scheduled to be performed by ~~which schedules~~ at least one modality; ~~to perform at least one task; and~~

determining, based on said information and at least one predetermined rule, at least one type of data likely to be accessed in connection with said at least one task; and

~~ensuring that in~~ prefetching at least some data of said type from the slower access part to the faster access part of said storage. ~~there is available at least some data which based on at least one predetermined rule is deemed likely to be accessed in connection to said at least one task to be performed by said at least one modality scheduled by said worklist.~~

2. (**Currently Amended**) The method of claim 1, wherein ~~said examining~~ obtaining said information includes: examining a task description of said at least one task, said task description included in said DICOM modality worklist.

3. (**Currently Amended**) The method of claim 1, wherein ~~said examining~~ <u>obtaining said</u> <u>information</u> includes: examining information about said at least one modality, said information about said at least one modality included in said <u>DICOM modality</u> worklist.

4. (**Currently Amended**) The method of claim 1, wherein ~~at least one of said~~ <u>the</u> at least one predetermined ~~rules~~ <u>rule</u> is tailored to at least one specific information consumer<u>.</u>

5. (**Currently Amended**) The method of claim 1, wherein ~~said ensuring~~ <u>prefetching</u> includes: transferring data from the slower access part of the storage to the faster access part of the storage.

6. (**Currently Amended**) The method of claim 1, wherein ~~said ensuring~~ <u>prefetching</u> includes: copying data from the slower access part of the storage to the faster access part of the storage.

7. (**Currently Amended**) The method of claim 1, <u>wherein said at least one type of data</u> <u>comprises reference data, and</u> wherein ~~said ensuring~~ <u>prefetching</u> includes: ensuring that reference data which is deemed likely to be accessed is available in the faster access part of the storage.

8. (**Currently Amended**) The method of claim 1, <u>wherein said at least one type of data</u> <u>comprises historical data, and</u> wherein ~~said ensuring~~ <u>prefetching</u> includes: ensuring that historical data which is deemed likely to be accessed is available in the faster access part of the storage.

9. (**Previously Presented**) The method of claim 8, wherein said historical data is about a specific object on which said task is to be performed.

10. (**Previously Presented**) The method of claim 9, wherein said object is a body part of a patient.

11. (**Previously Presented**) The method of claim 1, wherein said modality is an image acquisition machine.

12. (**Cancelled**)

13. (**Currently Amended**) A system for storage management, comprising:

at least one modality configured to perform at least one task in accordance with a scheduling by at least one Digital Image Communications in Medicine (DICOM) modality worklist;

a storage configured to store data, including a faster access part and a slower access part; and

a prefetcher configured to ~~examine~~

obtain information from said at least one worklist regarding said at least one task,

determine, based on said information and at least one predetermined rule, at least one type of data likely to be accessed in connection with said at least one task, and ~~configured to ensure that~~

prefetch at least some data ~~deemed likely to be accessed in connection to said at least one task is present in~~ of said type from said slower access part to said faster access part of said storage.

14. (**Currently Amended**) The system of claim 13, further comprising:

~~an HIS or RIS~~ a hospital information system (HIS) or radiology information system (RIS) configured to generate said at least one worklist.

15. (**Original**) The system of claim 13, further comprising:

at least one information consumer configured to access data stored in said

storage.

16. (**Cancelled**)

17. (**Previously Presented**) The system of claim 14, wherein said HIS or RIS and said

prefetcher are configured to communicate in accordance with the Digital Image

Communications in Medicine (DICOM) standard.

18. (**Previously Presented**) The system of claim 13, wherein said prefetcher is also

configured to transfer or copy from said slower access part of said storage to said faster

access part of said storage at least some data which is available only in said slower access

part and which is deemed likely to be accessed in connection to said at least one task.

19. (**Previously Presented**) The system of claim 13, wherein at least one of said modalities is

an image acquisition machine.

20. (**Previously Presented**) The system of claim 19, further comprising:

a hospital information system or radiology information system configured to

generate said at least one DICOM modality worklist.

21. (**Previously Presented**) A system for prefetching, comprising:

a worklist examiner configured to examine a Digital Image Communications

in Medicine DICOM modality worklist and determine at least one type of data likely

to be accessed, said at least one type of data being related to a task to be performed

by a modality scheduled by said worklist;

a cross referencer configured to compare said at least one type of data with

data stored for an entity identified for said task; and

a retriever configured to transfer or copy data stored for said identified entity

which is of at least one of said types and is available only in a slower access part of

a storage to a faster access part of said storage.

22. (**Currently Amended**) The system of claim 21, further comprising:

a rules storage configured to store at least one rule ~~which~~ to allow said

worklist examiner to determine said at least one type of data likely to be accessed.

23. (**Original**) The system of claim 21, further comprising:

an internal database configured to save data from said worklist about said at

least one task.

24. (**Cancelled**)

25. (**Currently Amended**) A computer program product comprising a computer useable

medium having computer readable program code embodied therein for managing a storage,

wherein the storage includes a faster access part and a slower access part, the computer

program product comprising:

computer readable program code for causing the computer to ~~examine~~ obtain

information from a Digital Image Communications in Medicine (DICOM) modality

worklist regarding at least one task scheduled to be performed by ~~which schedules~~ at

least one modality; ~~to perform at least one task; and~~

computer readable program code for causing the computer to determine, based

on said information and at least one predetermined rule, at least one type of data

likely to be accessed in connection with said at least one task; and

computer readable program code for causing the computer to ~~ensuring that in~~

prefetch at least some data of said type from the slower access part to the faster

access part <u>of said storage.</u> ~~there is available at least data which based on at least one~~

~~predetermined rule is deemed likely to be accessed in connection to said at least one~~

~~task to be performed by said at least one modality scheduled by said worklist.~~

26–32. (**Cancelled**)

33. (**Currently Amended**) A program storage device readable by machine, tangibly

embodying a program of instructions executable by the machine to perform <u>a</u> method ~~steps~~ of

managing a storage, wherein the storage includes a faster access part and a slower access

part, <u>the method</u> comprising:

   ~~(a)   examining~~ <u>obtaining information from</u> a Digital Image Communications

in Medicine (DICOM) modality worklist <u>regarding at least one scheduled task to be</u>

<u>performed by</u> ~~which schedules~~ at least one modality<u>;</u> ~~to perform at least one task;~~

~~and~~

   <u>determining, based on said information and at least one predetermined rule, at</u>

<u>least one type of data likely to be accessed in connection with said at least one task;</u>

<u>and</u>

   ~~(b) ensuring that in~~ <u>prefetching at least some data of said type from the</u>

<u>slower access part to</u> the faster access part <u>of said storage.</u> ~~there is available at least~~

~~some data which based on at least one predetermined rule is deemed likely to be~~

~~accessed in connection to said at least one task to be performed by said at least one~~

~~modality scheduled by said worklist.~~

34. (**Cancelled**)